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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/523,859	04/25/2005	Il-weon Cho	CU-4077 WWP	1880
26530	7590	04/25/2006	EXAMINER	
LADAS & PARRY LLP 224 SOUTH MICHIGAN AVENUE SUITE 1600 CHICAGO, IL 60604			KHAN, SUHAIL	
			ART UNIT	PAPER NUMBER
			2617	

DATE MAILED: 04/25/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

DETAILED ACTION

1. The Art Unit location of your application in the USPTO has changed. To aid in correlating any papers for this application, all further correspondence regarding this application should be directed to Art Unit 2617.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-4 rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent App. Pub. No. 2002/0103929 to Molnar in view of U.S. Patent App. Pub. 2004/0203945 to Qu et al.

Referring to **claim 1**, Molnar discloses a method for processing a short message (page 3, paragraph 49, SMS) in a mobile communication network (page 2, paragraph 32, network) including a mobile switching center for switching calls (page 1, paragraph 9, VMSC), a short message service center for providing a short message service (page 1, paragraph 9, SMS-GMSC has SMSC functionality), and an operation control unit for operating and managing the short message service center (page 1, paragraph 8, Service Center), a method for processing an address of a short message service center (page 3, paragraph 49, address part of SMS message supplied to SMS-GMSC), comprising: a load centralization confirmation step where the operation control unit receives short message processing states from each short message service center, confirms load centralization states of each short message service center (page 4, paragraph 57, optimizing routing of messages by SMSC-SMS-GMSC to reduce load; page 3, paragraph 51, device

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receives message that optimal route was not successful; each route result is interpreted as being a state), and generates an operation message (page 3, paragraph 52, instruction is forwarded based on the detection, instruction is interpreted as being the operation message); a path setup step where the mobile switching center receives a short message from a mobile station, and sets up a transmission path of the short message according to the operation message (page 3, paragraph 50, route selected based on ROUTE_IND parameter); and an optimal transmission step where the mobile switching center transmits the short message from the mobile station to the corresponding short message service center through the transmission path according to the result the path setup step (page 5, paragraph 29, route via MSC, also, figure 1 MS-VMSC-SMS/GMSC). Molnar does not disclose the above SMS method in a WCDMA network. The examiner maintains that the concept of SMS messaging in a WCDMA network was well known in the art as taught by Qu et al.

In a similar field of endeavor, Qu et al disclose SMS in WCDMA (page 1, paragraph 4).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify Molnar to show a method for processing a short message in a mobile communication network including a mobile switching center for switching calls, a short message service center for providing a short message service, and an operation control unit for operating and managing the short message service center, a method for processing an address of a short message service center in a WCDMA network, comprising: a load centralization confirmation step where the operation control unit receives short message processing states from each short message service center, confirms load centralization states of each short message service center, and generates an operation message; a path setup step where the mobile switching center

receives a short message from a mobile station, and sets up a transmission path of the short message according to the operation message; and an optimal transmission step where the mobile switching center transmits the short message from the mobile station to the corresponding short message service center through the transmission path according to the result the path setup step, as taught by Qu et al, the motivation being applying the messaging method to different networks (Molnar, page 4, paragraph 57).

Referring to **claim 2**, Molnar discloses the method of claim 1, wherein the load centralization confirmation step comprises a step where the operation control unit receives the short message processing states from each short message service center, confirms a minimum load centralization short message service center according to real-time statistical data (page 4, paragraph 57, optimizing routing of messages by SMSC-SMS-GMSC to reduce load; page 3, paragraph 51, device receives message that optimal route was not successful; each route result is interpreted as being a state), and transmits the operation message for requesting path setup variations to the mobile switching center, so that the minimum load centralization short message service center can process newly-transmitted short messages (page 3, paragraph 50, route selected based on ROUTE_IND parameter).

Referring to **claim 3**, Molnar discloses the method of claim 1, wherein, in the path setup step, the mobile switching center sets up the short message service center corresponding to address information included in the operation message from the operation control unit as a minimum load centralization short message service center to set up the transmission path of the short message (page 4, paragraph 57, optimizing routing of messages by SMSC-SMS-GMSC to reduce load), and in the optimal transmission step, the mobile switching center transmits the

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short message from the mobile station to the minimum load centralization short message service center through the transmission path (page 3, paragraph 50, route selected based on ROUTE_IND parameter).

Referring to **claim 4**, Molnar discloses the method of claim 2, wherein, in the load centralization confirmation step, the operation control unit decides the short message service center processing a relatively small number of short messages as the minimum load centralization short message service center in the real time according to the short message processing states from each short message service center (page 4, paragraph 57, optimizing routing of messages by SMSC-SMS-GMSC to reduce load).

Response to Arguments

4. Applicant's arguments filed 2/6/2006 have been fully considered but they are not persuasive.

Applicant argues that cited prior art does not disclose confirming load centralization state of each short message service center and setting up a transmission path according to the operation message.

Examiner respectfully disagrees with the arguments. In page 3, paragraph 51, device receives message that optimal route was not successful. Each route result is interpreted as being a state. If a message is not received, this confirms load centralization state. Therefore short message processing states are received and load centralization states are confirmed. In page 3, paragraph 50, it is shown that a route is selected based on the value of the ROUTE_IND parameter.

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5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Suhail Khan whose telephone number is (571) 272-7910. The examiner can normally be reached on M-F from 8 am to 4:30 pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Feild, can be reached at (571) 272-4090.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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